

- 2 - \$ 24,006.00

WHAT IS CLAIMED IS:

1. Use of an antigenic fragment of a P34 protein for immunocontraception of a male or female subject, which comprises administering to said male or female subject an antigenic fragment of a P34 protein to elicit an immunocontraception response by said male or female subject.
2. The use according to claim 1, wherein said P34 protein is encoded by a sequence as set forth in SEQ ID NO:3, and wherein said antigenic fragment has an amino acid sequence selected from a group consisting of SEQ ID NO:4 and SEQ ID NO:5.
3. An immunocontraceptive vaccine for a male or female subject, which comprises an antigenic fragment of a P34 protein in association with a suitable pharmaceutically acceptable carrier, wherein said vaccine elicits an immunocontraception response by said male or female subject after its administration.
4. A probe as a marker for male or female fertility, which comprises a cDNA sequence capable of hybridizing under stringent conditions with a human acrosomal sperm protein P34.